

Indianapolis Air Pollution Control Board

Regulation 4 Burning Regulations

(Amended August 10, 2006)

(Effective September 28, 2006)

Section 1. Air Curtain Incinerators

1-1. Definitions

"Air curtain incinerator" means an apparatus consisting of a motorized high velocity fan and an air distribution system designed to aid in the efficient combustion of materials placed in an adjacent pit.

1-2. Applicability

The provisions of this regulation shall apply to the operation of an air curtain incinerator in Marion County, Indiana.

1-3. Reserved

1-4. Notification of proposed site

- (1) At least three (3) business days before clearing land where an air curtain incinerator is intended to operate, the owner or operator shall submit to the Division in writing the following information:
 - (a) The location of the site,
 - (b) A sketch or map identifying access roads to the site,
 - (c) The projected date burning will begin and end,
 - (d) The distance from the proposed location of the air curtain incinerator to any private residence, business, public roadway, power line, pipeline or above ground fuel storage tank.

1-5. Site Approval

- (1) The Division may approve a site for operation of an air curtain incinerator if the site meets the following standards:
 - (a) The air curtain incinerator shall be located at least five hundred (500) feet from any private residence, business, public roadway, power line, pipeline or above-ground fuel storage tank,
 - (b) The air curtain incinerator shall not be operated in a congested or populated area (as determined by the Administrator),
 - (c) The air curtain incinerator shall not be located within one thousand (1,000) feet of a landfill or transfer station,
 - (d) No person shall establish a permanent site for an air curtain incinerator.
The Division shall notify the owner or operator of site approval or disapproval within five (5) business days of site evaluation by the Division.

1-6. Notification of Operation

- (1) At least three (3) business days before beginning operation at each site, the owner or operator shall notify the Division in person or by telephone of the following information:
 - (a) The dates and times the air curtain incinerator will be operated,
 - (b) An estimate of the amount of material which will be burned.
- (2) The owner or operator shall provide notification twenty-four (24) hours in advance to the appropriate local fire department or Marion County Health Department of the dates and times that the air curtain incinerator will be operated.

1-7. Operation Standards

The owner or operator of an air curtain incinerator shall ensure that installation and operation of such air curtain incinerator will comply with this regulation.

1-8. Material Standards

- (1) Only vegetation grown at the site may be burned,
- (2) Burn materials shall be free of dirt, soil and visible surface moisture. In addition, the burn materials shall be free of other wastes, including but not limited to, tires, rubbish, textiles, tar paper, plastics, construction debris, paper, oily materials, animal life, organic fertilizer and non-combustible containers,
- (3) The burn material shall be sufficiently dry to ensure maximum combustion.

1-9. Start-up Procedures

- (1) The owner or operator shall not begin installing the air curtain incinerator until the Division has approved the site pursuant to Section 1-5 of this Regulation 4.
- (2) The owner or operator shall construct a pit of the following dimensions:
 - (a) Length = Length of the air curtain incinerator,
 - (b) Width = eight (8) feet and shall not extend beyond the nozzle action,
 - (c) Depth = fifteen (15) feet (Pit depth may vary according to the level of the ground water table.) The depth of the pit shall be of such distance to allow all burning material to be below the curtain of air created by the air curtain incinerator,
 - (d) The pit shall be enclosed on four (4) sides, and the walls shall be perpendicular to level ground.
- (3) Operation of the air curtain incinerator shall not begin until the Division has received the notifications described in this Regulation IV and until the Division has approved the site and materials.
- (4) The start-up period shall be limited to fifteen (15) minutes in any 24-hour period.
- (5) During the start-up period, visible emissions shall not exceed an opacity of sixty (60) percent, averaged over twenty-four (24) consecutive observations recorded at fifteen (15) second intervals, according to the observation method in Regulation 5, Opacity.
- (6) Materials shall be ignited by a propane-fueled device or other clean flame source approved by the Division.
- (7) Operation of the air curtain incinerator shall not begin until at least one (1) hour after sunrise.

1-10. Operation

- (1) After the start-up period, visible emissions from the incinerator shall not exceed an opacity of fifteen (15) percent, averaged over twenty-four (24) consecutive observations

recorded at fifteen (15) second intervals, according to the observation method in Regulation 5, Opacity.

- (2) The owner or operator shall operate the incinerator in accordance with the manufacturer's specifications.
- (3) The top of the burn materials shall be at least five (5) feet below the top of the pit (ground level).
- (4) The owner or operator shall have a copy of the operating manual available at the site during operation of the incinerator.
- (5) The owner or operator shall attend the incinerator at all times while burning and until the fire is completely extinguished. Adequate fire-fighting equipment shall be maintained at an air curtain incinerator site at all times during operation.
- (6) The owner or operator shall not charge materials in the incinerator after 3:00 P.M.
- (7) Before sunset of each day the air curtain incinerator is operated, the owner or operator shall completely extinguish the fire and at least one (1) foot of dirt must be placed over the ashes in the pit by official sunset.
- (8) The owner or operator shall not operate the incinerator during the following meteorological conditions:
 - (a) When the wind may carry smoke into populated areas near the site; or
 - (b) When the wind speed is greater than twenty (20) m.p.h. or less than five (5) m.p.h. as reported by the National Weather Service at the Indianapolis International Airport; or
 - (c) When an air quality action day has been declared.
- (9) Operation of the incinerator shall not cause or contribute to an air pollution problem, public and/or private nuisance, or a fire hazard.
- (10) The fan blades of the air curtain incinerator shall be regularly cleaned to reduce buildup of dirt and debris.
- (11) All canisters must be properly aligned, connected and maintained so as to prevent leaks between adjacent canisters.
- (12) The nozzles must be maintained in good working condition. The minimum average velocity at the nozzle must be nine thousand fifty (9,050) feet per minute, and the air flow at the nozzle must be a minimum of seven hundred fifty (750) cubic feet per minute per foot of length.
- (13) All nozzles shall be aligned and directed toward the opposite wall so that the air strikes the opposite wall at least three (3) feet below the grade upon which the air curtain incinerator is located so that the air tumbles in the pit.
- (14) The engine running the air curtain incinerator fan must be maintained in proper working condition.

1-11. Additional Conditions

In order to protect public health and air quality, the Administrator may impose conditions in addition to the standards established in this Regulation 4 and Chapter 511 of the Code of Indianapolis and Marion County, Indiana.

1-12. Stop Order

If the Division determines that operation of an air curtain incinerator is in violation of this regulation, is a threat to public health or is causing a nuisance, the Administrator may order the owner or operator to cease operation of the incinerator immediately.

1-13. Reserved

1-14. Reserved

1-15. Reserved

Section 2. Incinerators

2-1. The Air Pollution Control Board hereby adopts by reference and incorporates herein the provisions of 326 IAC 4-2 listed in (1) through (2) below.

(1) 326 IAC 4-2-1 Applicability of rule

(2) 326 IAC 4-2-2 Incinerators

Section 3. Outdoor Wood-Fired Heating Devices

3-1. Definitions

“Outdoor Wood-Fired Heating Device” means a fuel-burning device designed:

- (1) to burn primarily wood by hand-firing,
- (2) not to be located inside a structure primarily occupied by humans or domestic animals, and
- (3) to heat spaces or water by the distribution through pipes of a fluid heated in the device, typically water, or by forcing heated air through permanently installed ducts.

3-2. Applicability

The provisions of this regulation shall apply to Outdoor Wood-Fired Heating Devices in Marion County, Indiana as of the effective date of this regulation.

3-3. Prohibition

On or after the effective date of this regulation, no person shall install an Outdoor Wood-Fired Heating Device in Marion County, Indiana.

Section 4. Crematories (Reserved)

Documents incorporated by reference are available from the Indiana Department of Environmental Management, Indiana Government Center, 100 North Senate Avenue, Indianapolis, Indiana 46204-2220, or the City of Indianapolis Office of Environmental Services, 2700 South Belmont Avenue, Indianapolis, Indiana 46221 (317-327-2234).